

-SALT LAKE COMMUNITY COLLEGE REDWOOD ROAD CAMPUS **4600 SOUTH REDWOOD ROAD** SALT LAKE CITY, UTAH





VARIOUS BUILDINGS TUNNEL LIGHTING, EXIT SIGNS, AND EMERGENCY GENERATORS DFCM PROJECT NO. 04190660



REDWOOD ROAD CAMPUS 4600 SOUTH REDWOOD ROAD SALT LAKE CITY, UTAH

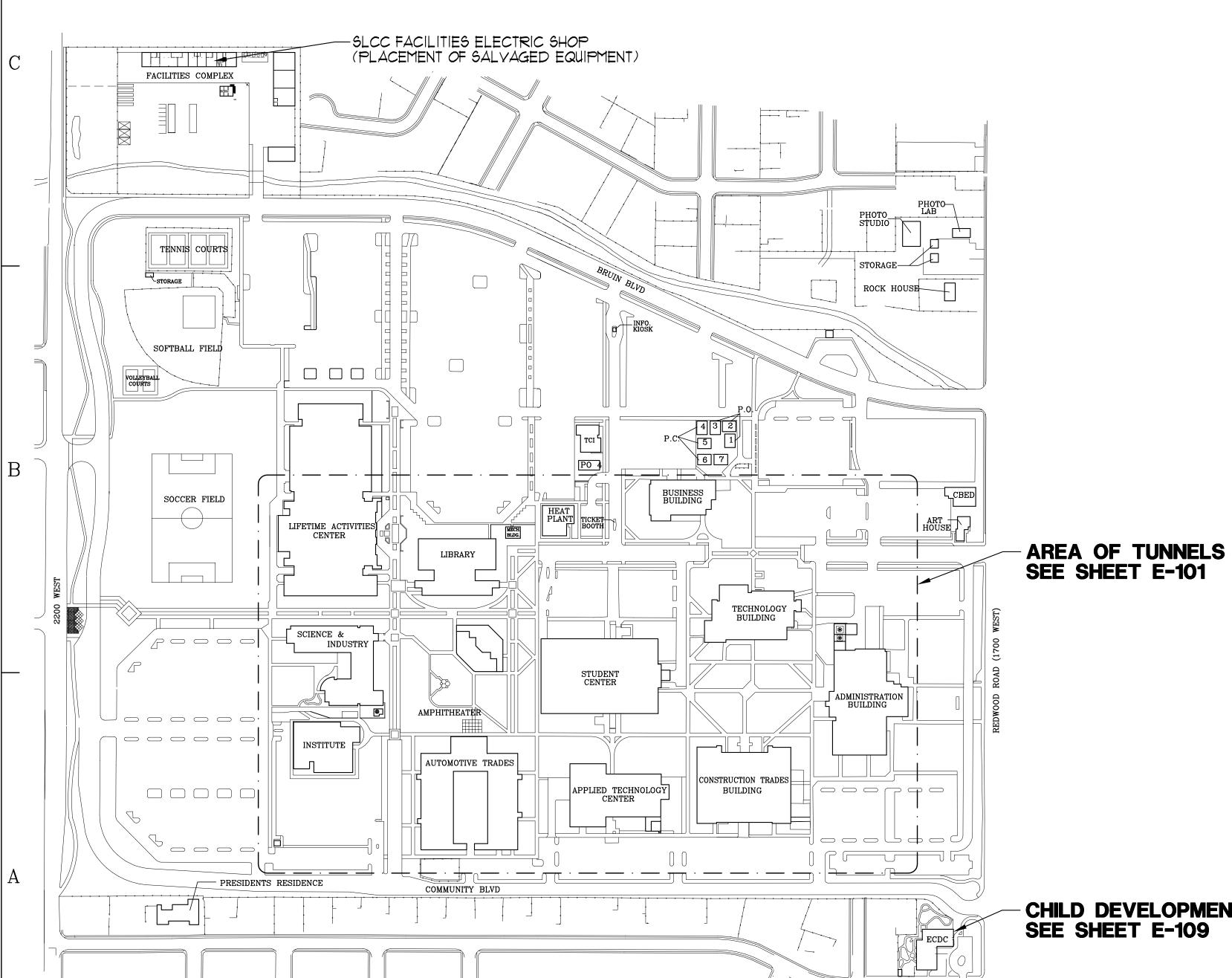
SOUTH CITY CAMPUS 1575 SOUTH STATE STREET SALT LAKE CITY, UTAH



State of Utah-Department of Administrative Services

DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

4110 State Office Building / Salt Lake City, Utah 84114 / 538-3018



SLCC REDWOOD ROAD CAMPUS PLAN

SCALE: 1" = 200"-0"

0 50' 100' 200'

(Fee A.E: Attach and fill i	n app	olicable dat	ta for	each	drav	ving su	ubmit	tal)			
Applicable Codes: International Building Code Planning & Design Criteria to Prevent Architectural Barriers for the Aged and the Physically Handicapped.	<u>Yea</u>	<u>3 </u>	ernatio ernatio ernational itional	nal F Energ	Pluml y Con	oing Co servation	ode		Year 2003 2003 2003 2002		
A. Occupancy and Group : ———————————————————————————————————	_										
Change in Use : Yes No 🛂		Mixed Oc	cupanc	:у:	Yes	✓	No .		-		
B. Type of Construction (Circle) $\frac{1}{F.R.}$	II .R.	<u>Ⅱ</u> 1 HR.	<u> </u>	1	II HR.	<u> </u>	-	IV H.T.	1	V HR.	V N
C. Location on Property : F.R. Ext. Walls (Hrs	s.):	<u>Existing</u>	Ext.	Wall		ning(s) h Occi			(Hrs.) <u>Exis</u>	ting
D. Occupancy separation required (Hrs.): Sprinklered: Indicate Yes or No	_ _ _	Existing						•			
Stories : 1 or (multiple)											
a. Actual Area²(ft)	_	Existing									
b. Basic allowable area :											
c. Allowable Area Increase due to side yards: N	_	% Area N.A.			%	Area	(ft)		% 	Area	(ft) —
	_										
d. Side yard area increase (ft²):		N.A.									
Accumulative sub—total (b=d): Sprinkler: area increase (x3 single)	_										
$(x \ 2 \ multi)$											
e. Total Allowable Area for a single story:	_	N.A.									
x 2 for multi-story building:f. Ratio = a/e (Actual divided by allowable)	_										
E. Fire-Resistive Requirements (I	Hrs.):	(1 Hr., :	2Hr., 3	Hr.,	4Hr.,	N. H.	Т.)				
Exterior Bearing Walls:		Floors – Ceiling Floors									
Interior Bearing Walls:		Roofs - Ceiling Roofs									
Exterior Non-bearing Walls:		Exterior Doors and Windows									
Structural Frame:		Shaft Enclosures									

- RRC TUNNELS: GROUP 'U' ADMINISTRATION BUILDING: MIXED GROUPS 'A-1' & 'B' CHILD DEVELOPMENT LAB: GROUP 'E' AUTOMOTIVE TRADES BLDG: MIXED GROUPS 'B' & 'S-1' SOUTH CITY CAMPUS MAIN BUILDING: MIXED GROUPS 'A-1' & 'B' HEAT PLANT: GROUP 'B'

		DRAWING INDEX
SHEET	NUMBER	SHEET TITLE
1	G-001	LOCATION PLANS, CODE CRITERIA, AND DRAWING INDEX
2	E-1Ø1	REDWOOD ROAD CAMPUS (RRC) TUNNELS REFERENCE PLAN
3	E-1Ø2	RRC TUNNELS ELECTRICAL PLANS - SEGMENTS 1 & 2
4	E-1Ø3	RRC TUNNELS ELECTRICAL PLANS - SEGMENTS 3, \$ 4
5	E-104	RRC TUNNELS ELECTRICAL PLANS - SEGMENTS 5, 6 \$ 7
6	E-105	RRC TUNNELS ELECTRICAL PLANS - SEGMENTS 8 \$ 9
٦	E-106	RRC TUNNELS ELECTRICAL PLANS - SEGMENTS 10, 11, 12 \$ 13
8	E-1Ø7	STUDENT CENTER TUNNELS ELECTRICAL PLAN
9	E-108	ADMINISTRATION BUILDING LOWER & MAIN LEVELS ELECTRICAL PLANS
10	E-109	ADMIN. BLDG 2ND & 3RD LEVELS, AND CHILD DEVELOPMENT LAB ELECTRICAL PLANS
11	E-11Ø	AUTOMOTIVE TRADES BUILDING ELECTRICAL PLANS
12	E-111	SOUTH CITY CAMPUS LOWER LEVEL ELECTRICAL PLANS
13	E-112	SOUTH CITY CAMPUS NORTH & EAST MAIN LEVEL ELECTRICAL PLANS
14	E-113	SOUTH CITY CAMPUS SOUTH MAIN LEVEL ELECTRICAL PLAN
15	E-114	SOUTH CITY CAMPUS SECOND LEVEL ELECTRICAL PLANS
16	E-115	SOUTH CITY CAMPUS THIRD LEVEL ELECTRICAL PLANS
ΙT	ELIØ1	RRC HEAT PLANT LIGHTING PLANS
18	EPIØ1	RRC HEAT PLANT POWER PLANS
19	EP1Ø2	RRC HEAT PLANT EXTERIOR POWER PLAN AND DETAILS
2Ø	E-601	RRC HEAT PLANT SINGLE LINE DIAGRAMS
21	E-6Ø2	SYMBOL LIST AND SCHEDULES

Construction & Management 4110 State Office Building Salt Lake City, Utah 84114 Phone: (801) 538 - 3018

State of Utah
Department of Administrative Services

Fax: (801) 538 - 3267

PROJECT ENGINEER:

 E THOMAS & KOLKMAN **ENGINEERING CO. INC.** 64 WEST 1700 SOUTH SALT LAKE CITY, UTAH 84115 TELEPHONE: (801) 484-8161 FACSIMILE: (801) 484-3538

CONSULTANTS:

PROJECT:

Community College

REDWOOD ROAD CAMPUS 4600 SOUTH REDWOOD ROAD SALT LAKE CITY, UTAH

SOUTH CITY CAMPUS 1575 SOUTH STATE STREET SALT LAKE CITY, UTAH

VARIOUS BUILDINGS TUNNEL LIGHTING, EXIT SIGNS, AND EMERGENCY **GENERATORS**

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	REVISIONS:								
	MARK	DATE	DESCRIPTION						
	ISSUE TYPE: CONSTRUCTION DOCUMEN								
	ISSUE DATE: JUNE 27, 2005								
	DEGLI DEGLI VO. 6/10/6/4/6								

| DFCM PROJECT NO.: Ø4190660 STATE PROPERTY NO.: VARIOUS CAD DWG FILE: G-001.dwg

DRAWN BY: W.B.G. CHECKED BY: RGK. COPYRIGHT: STATE OF UTAH

SHEET TITLE: LOCATION PLAN,

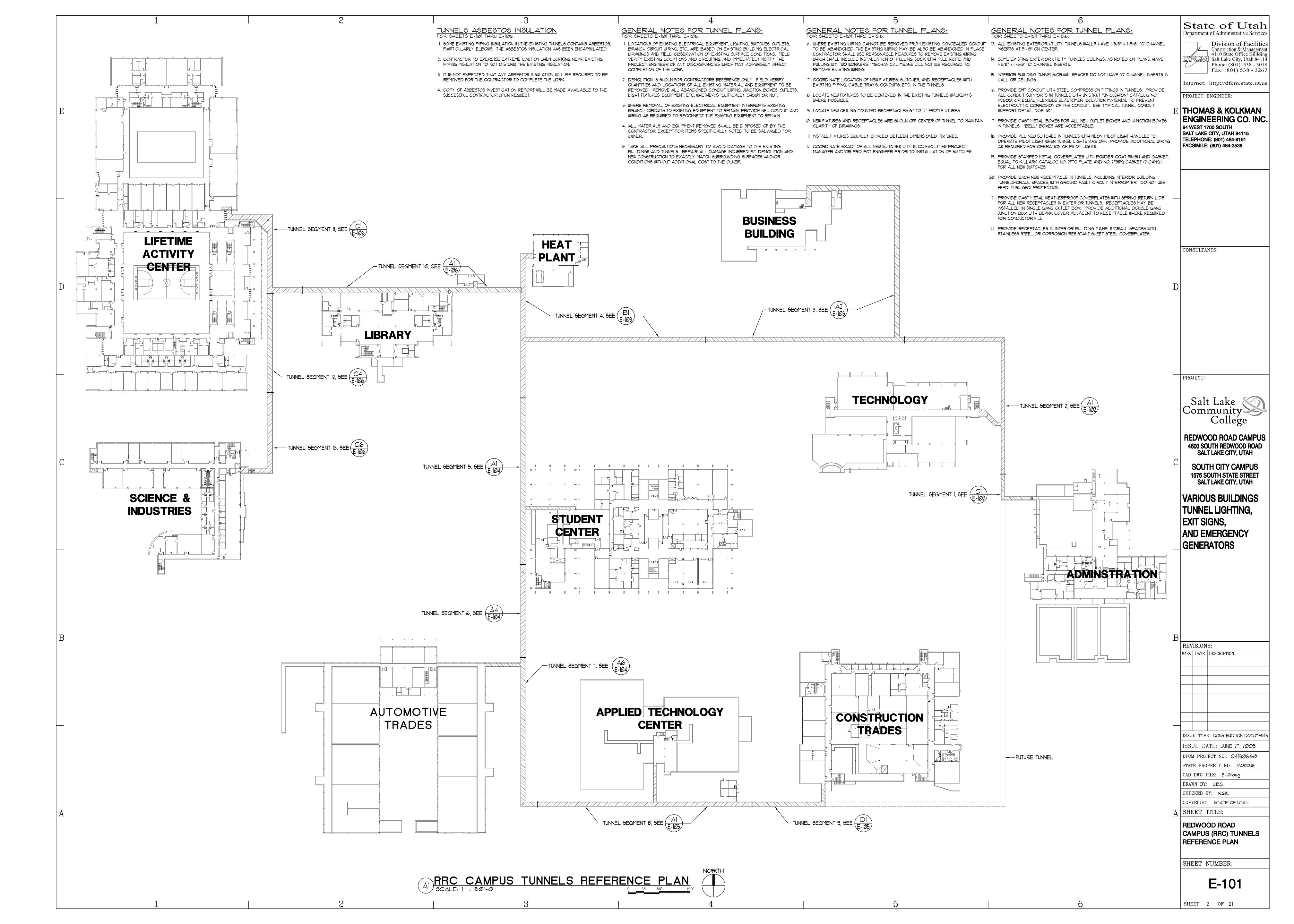
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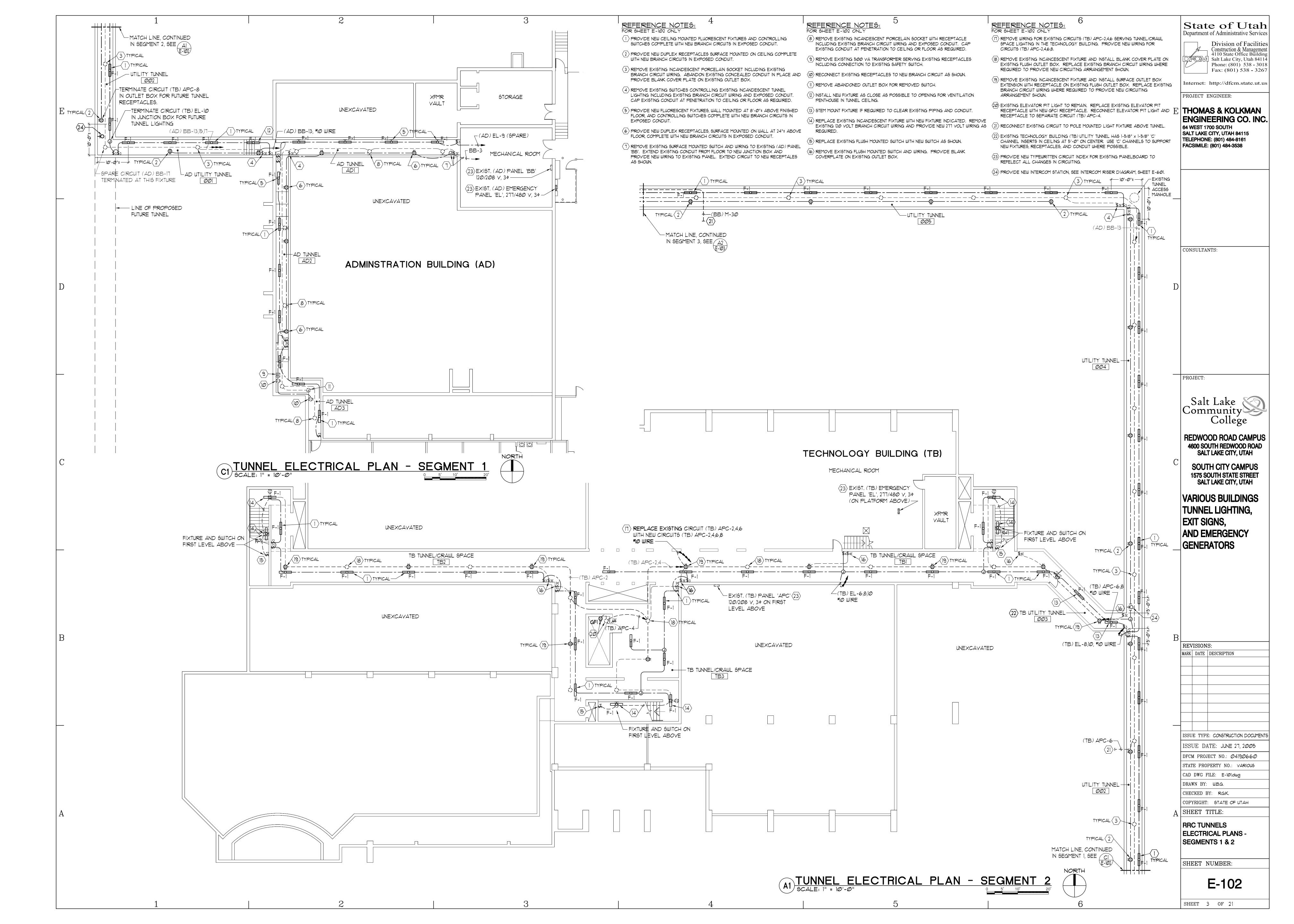
AND DRAWING INDEX

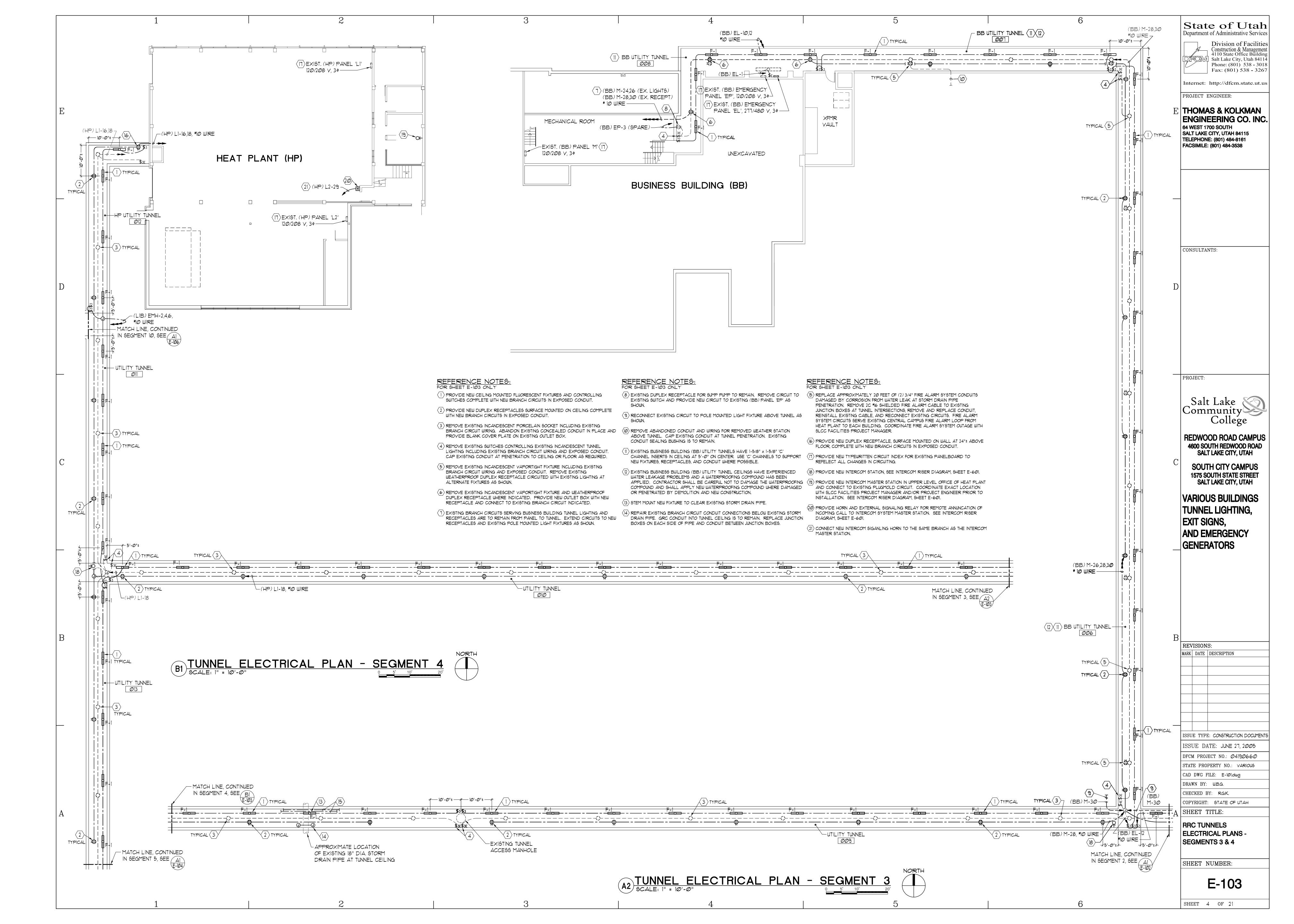
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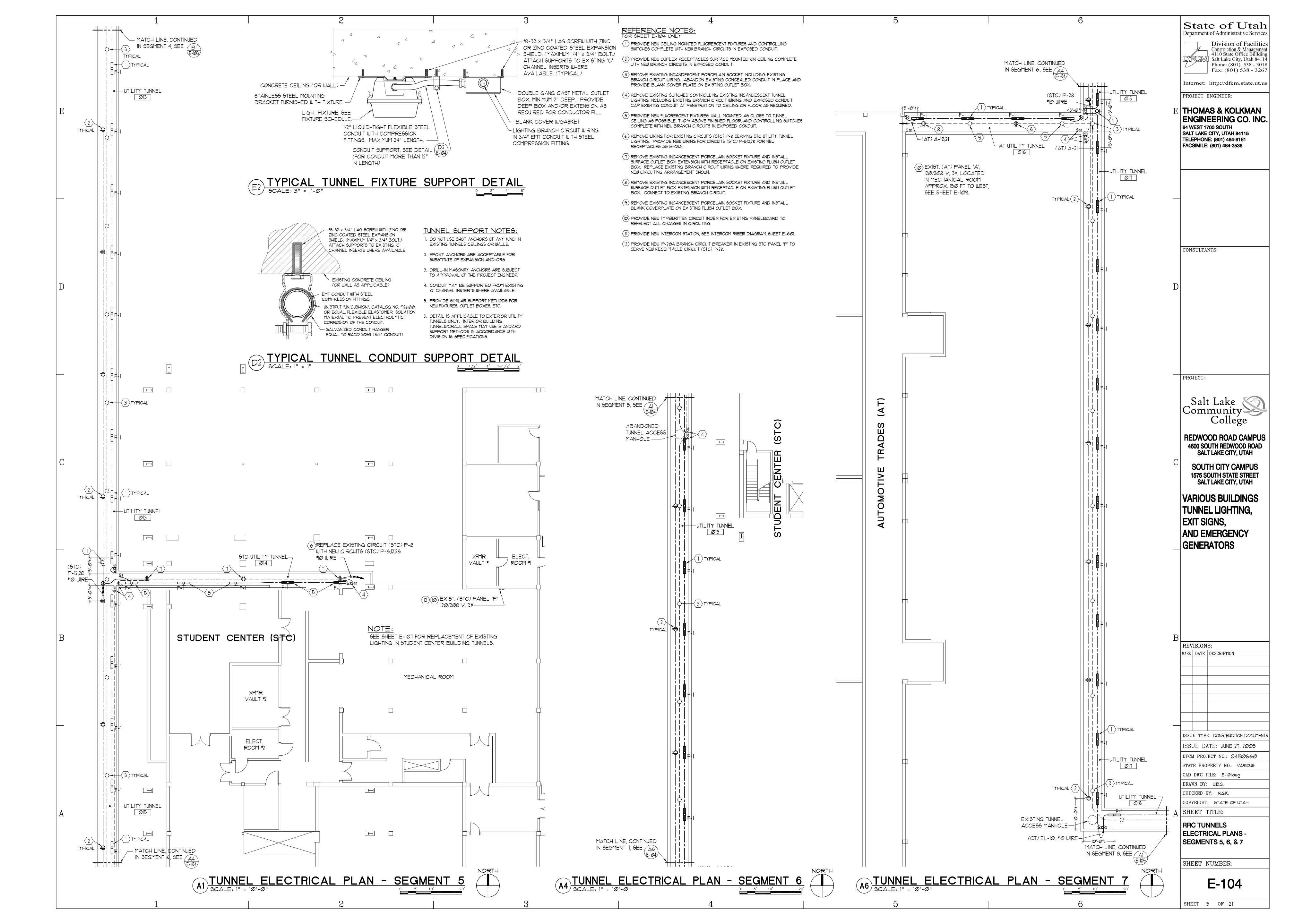
SHEET | OF 21

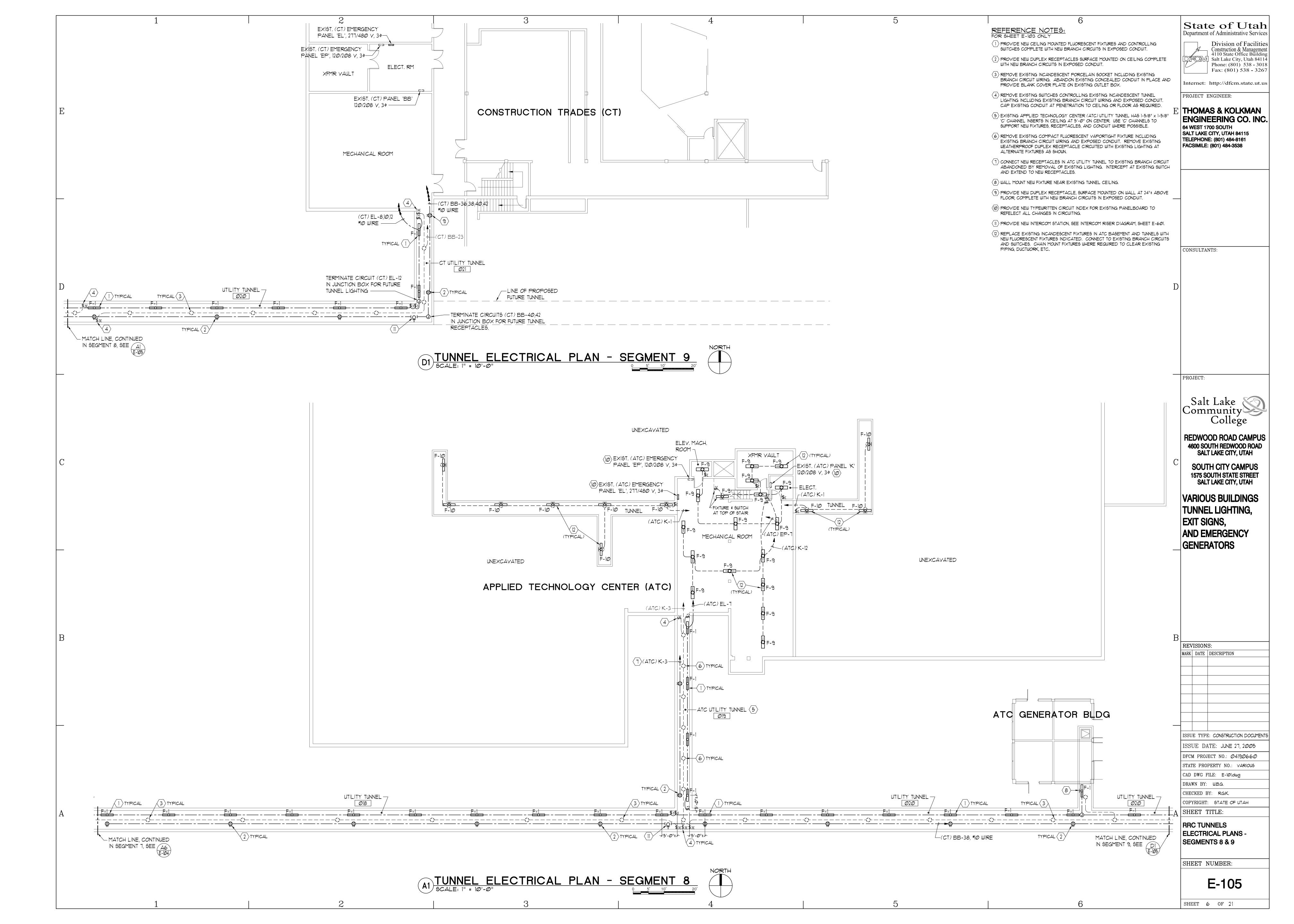
- CHILD DEVELOPMENT LAB SEE SHEET E-109

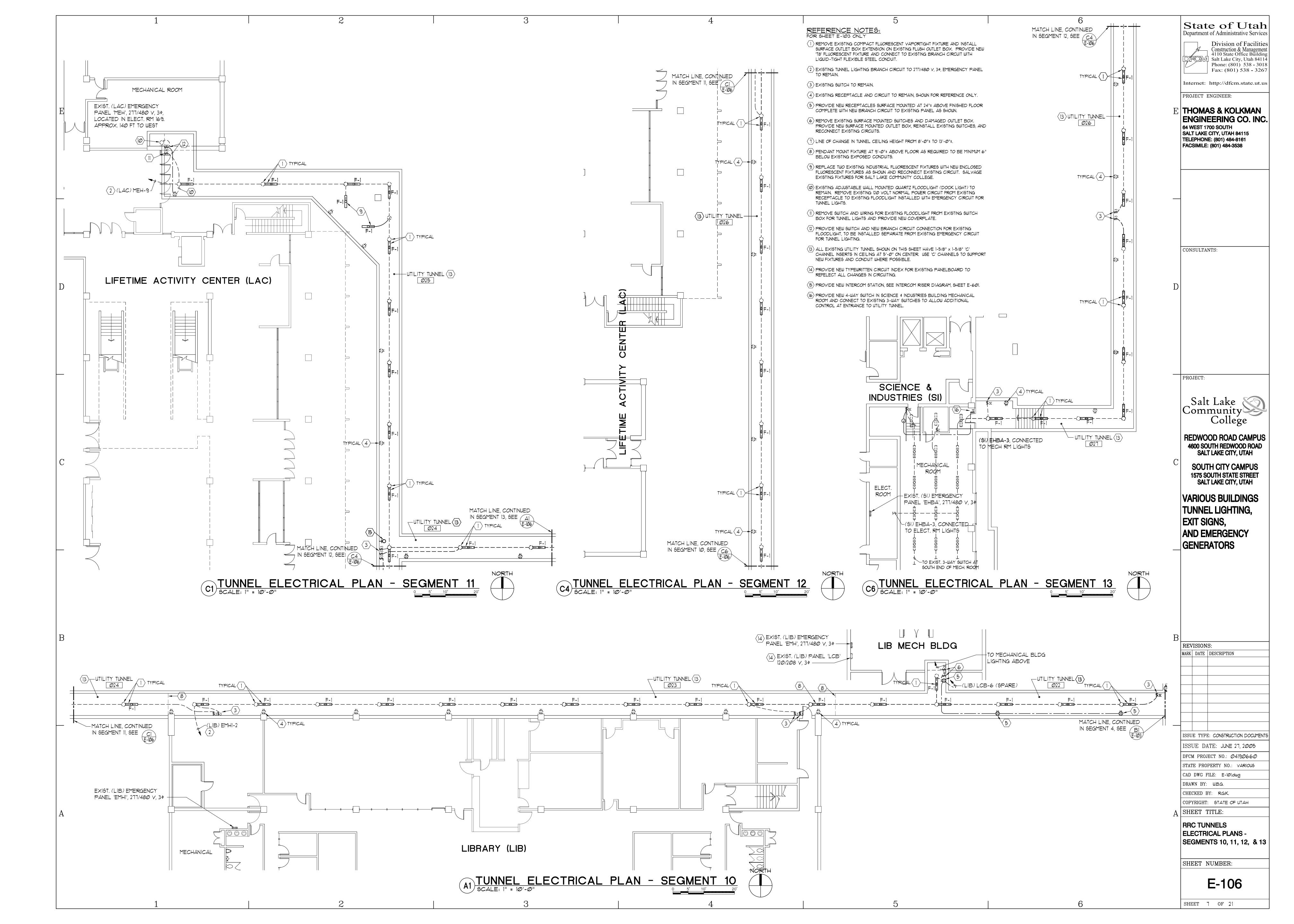


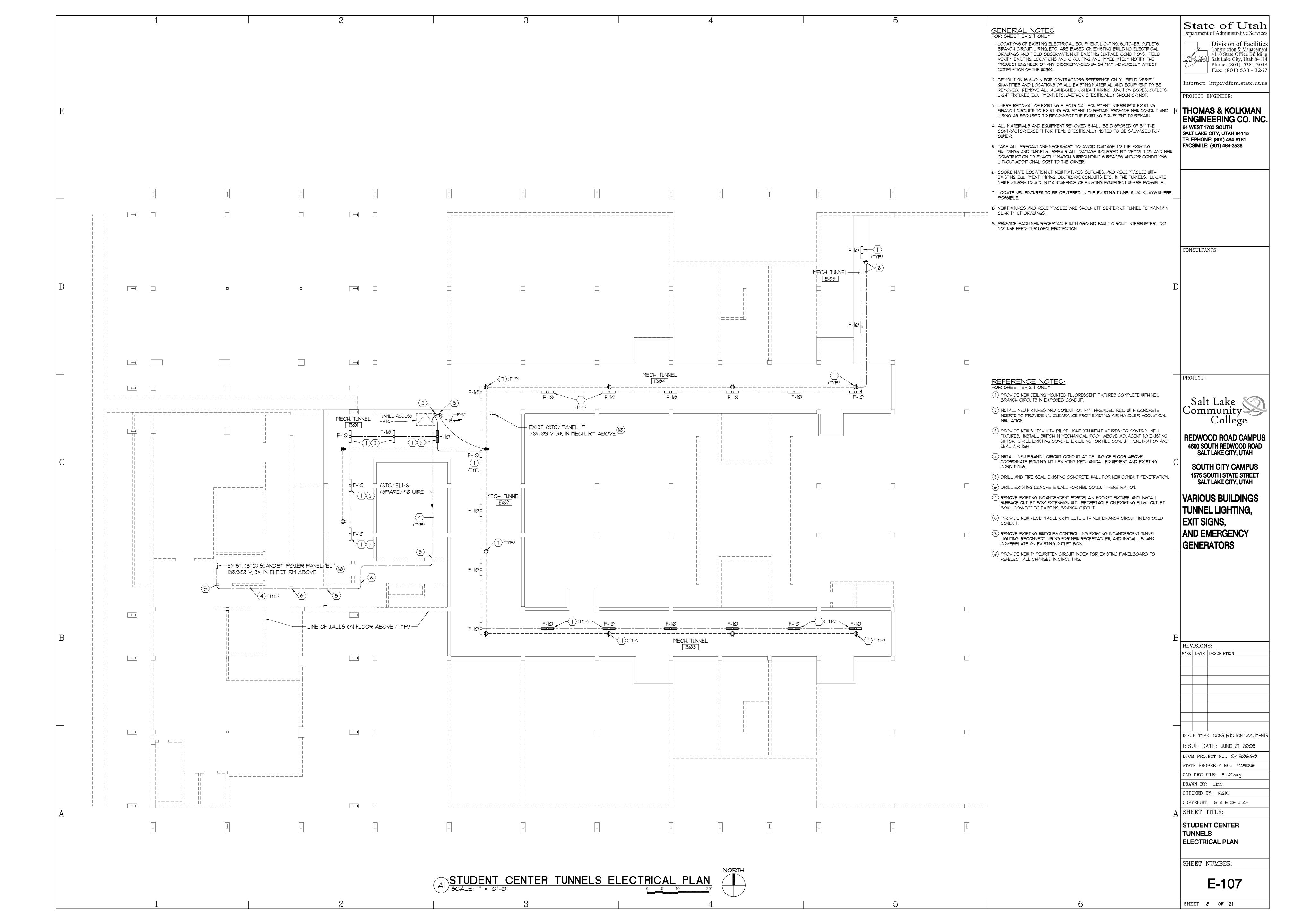


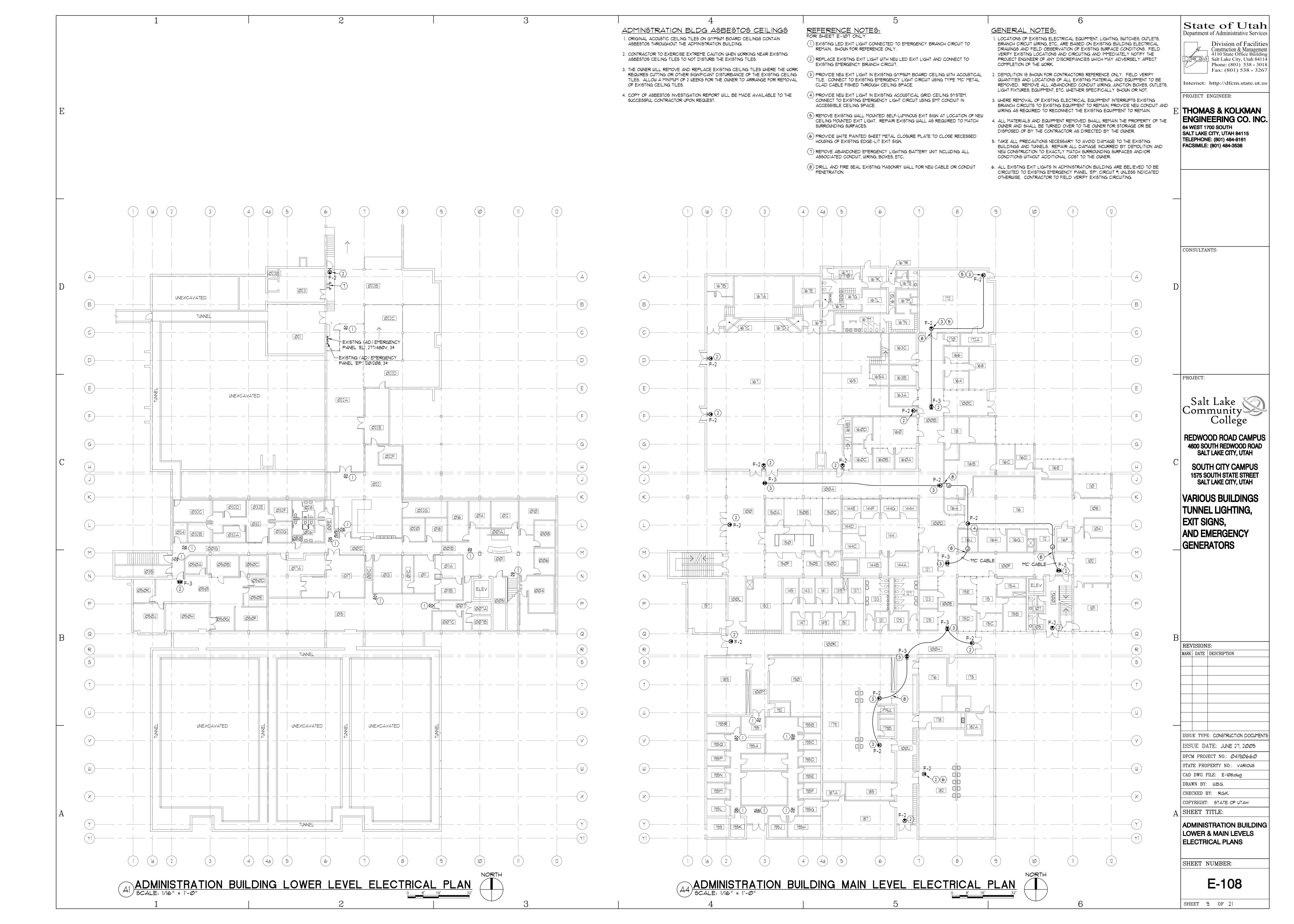


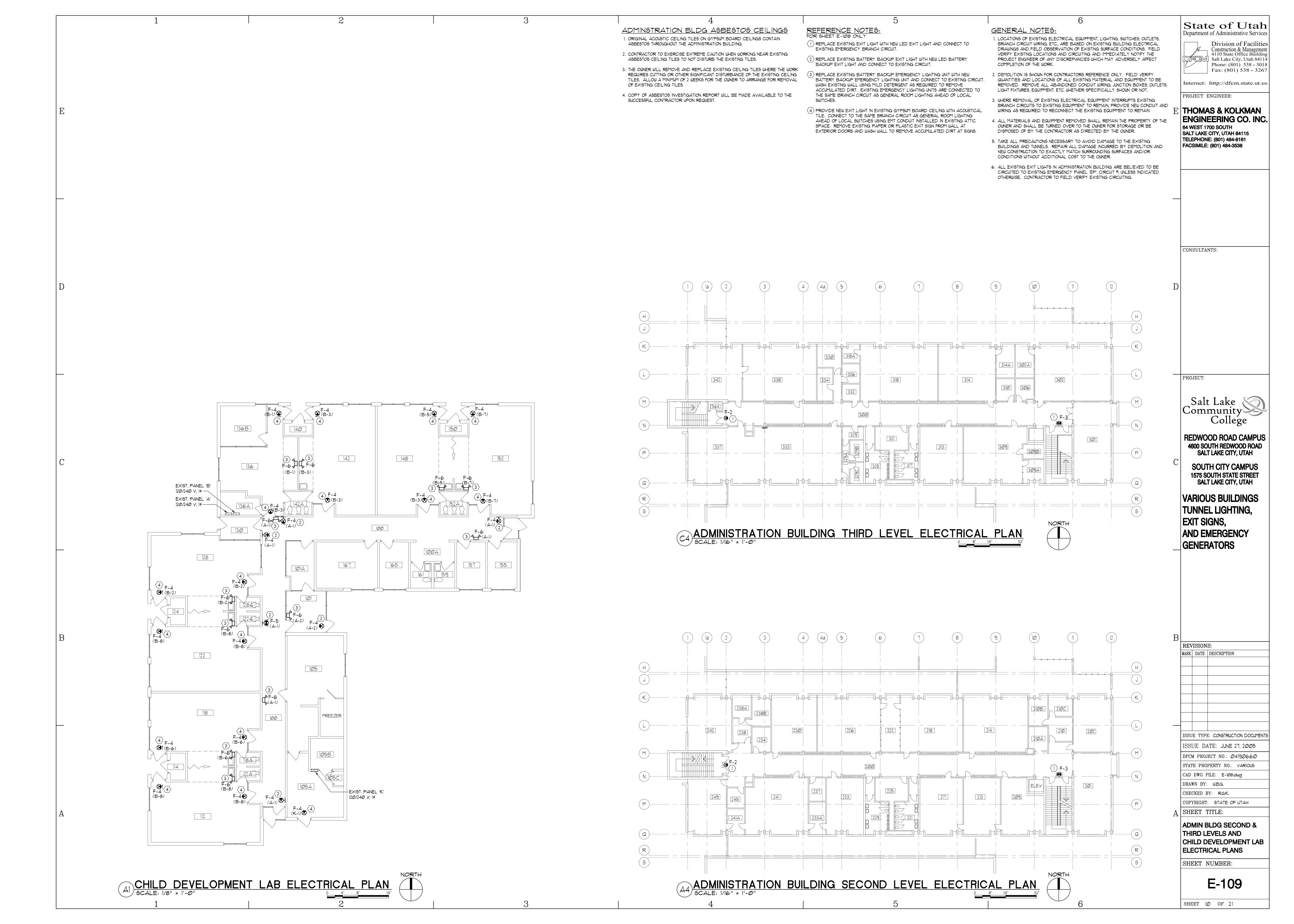


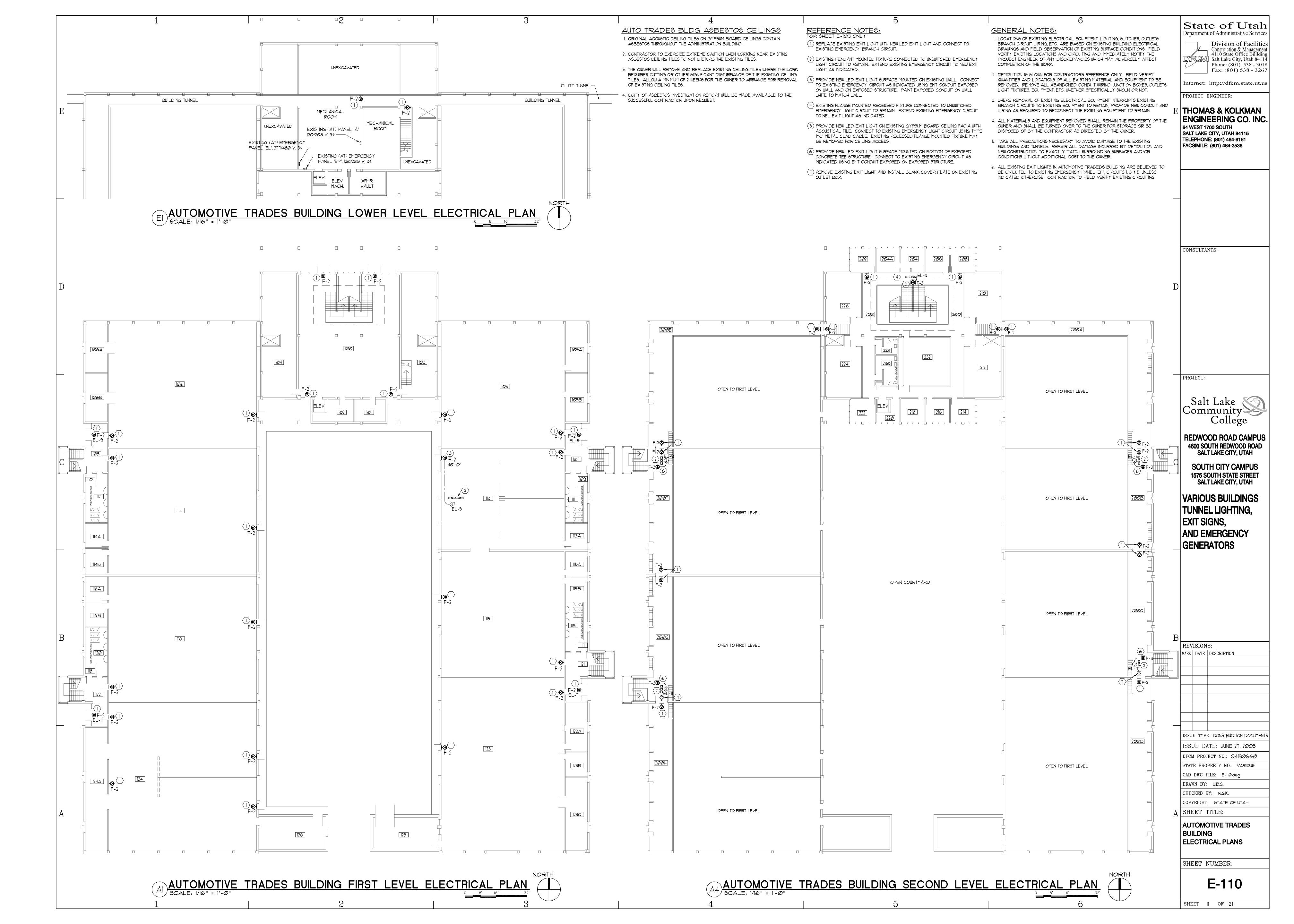


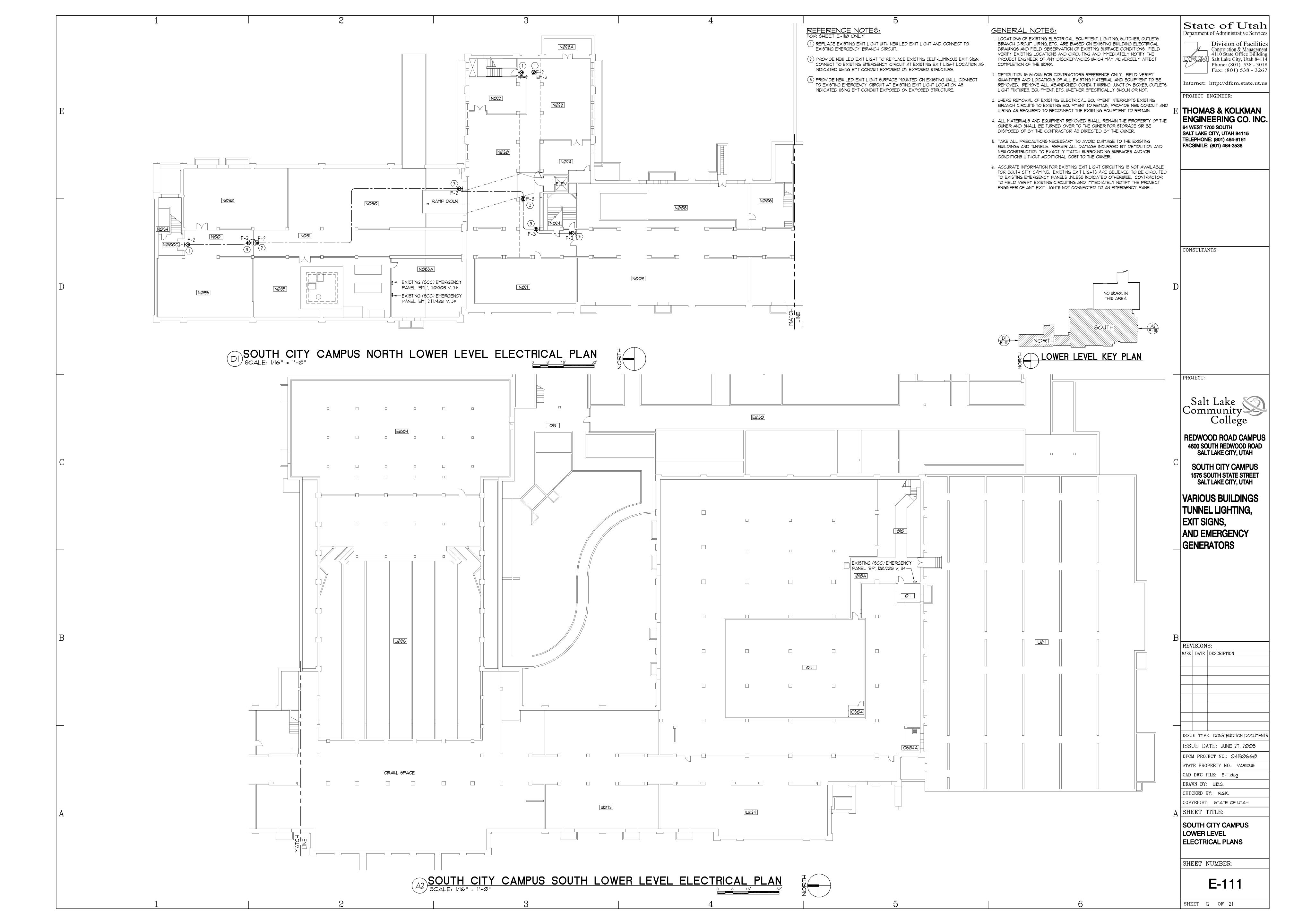


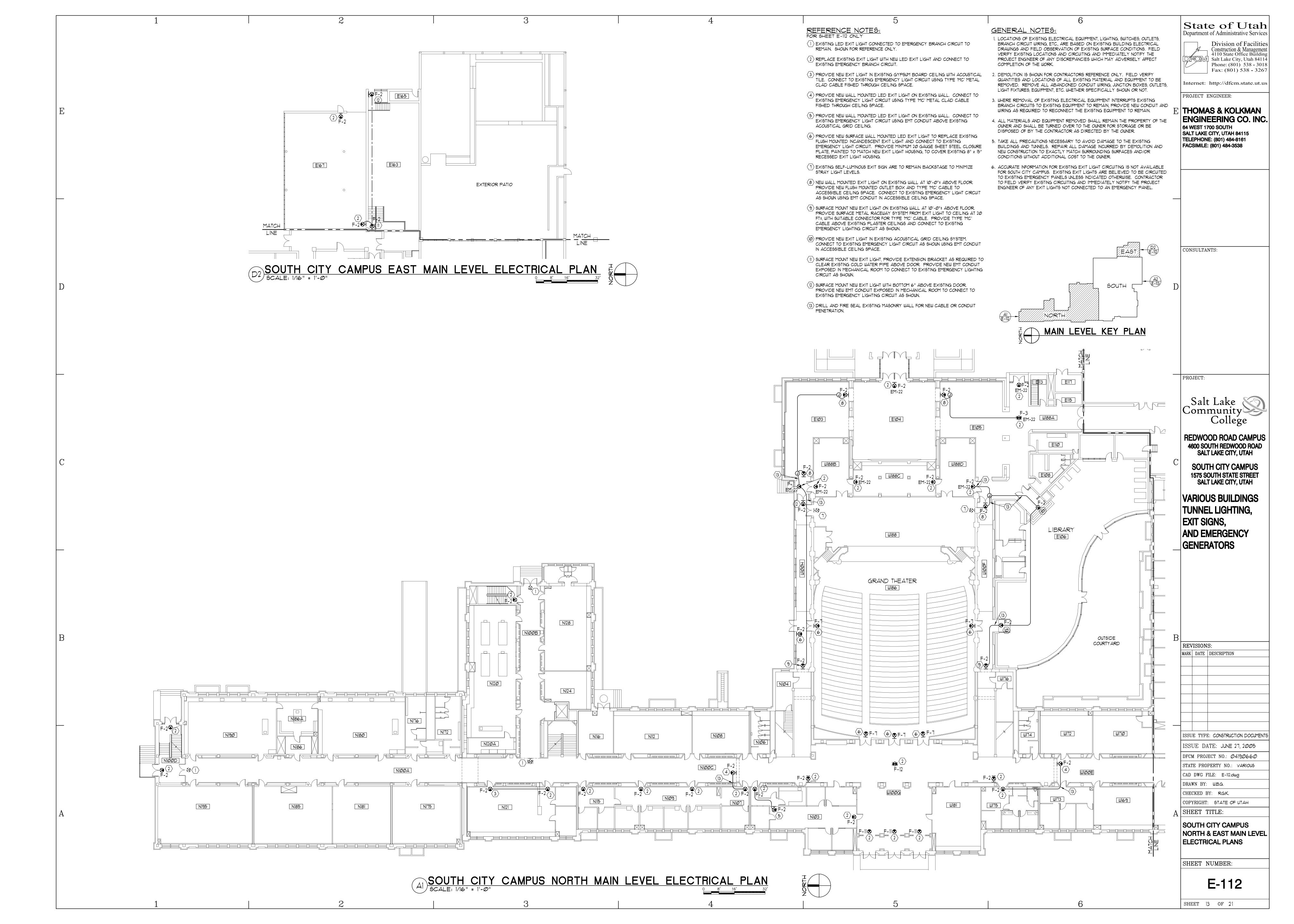


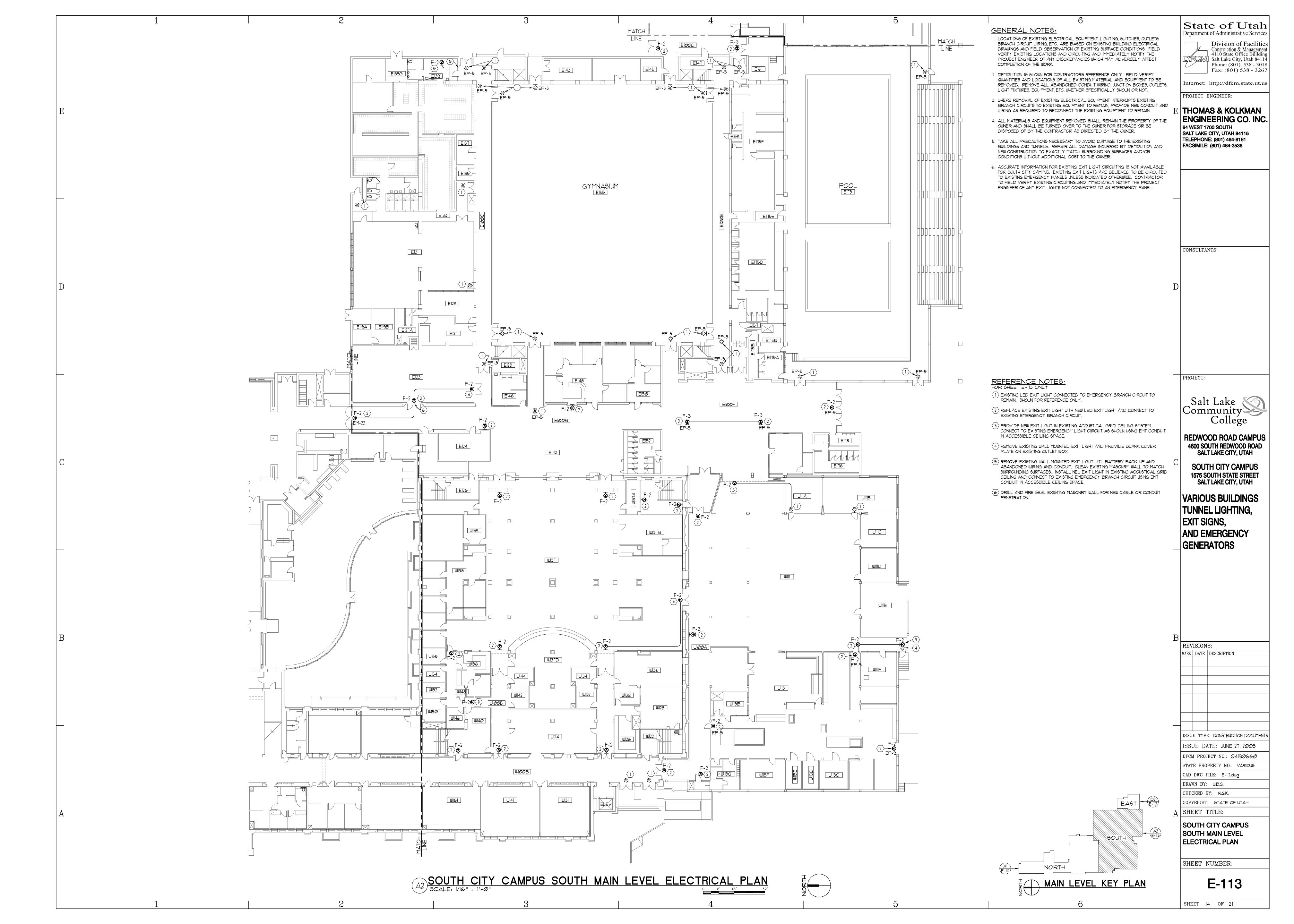


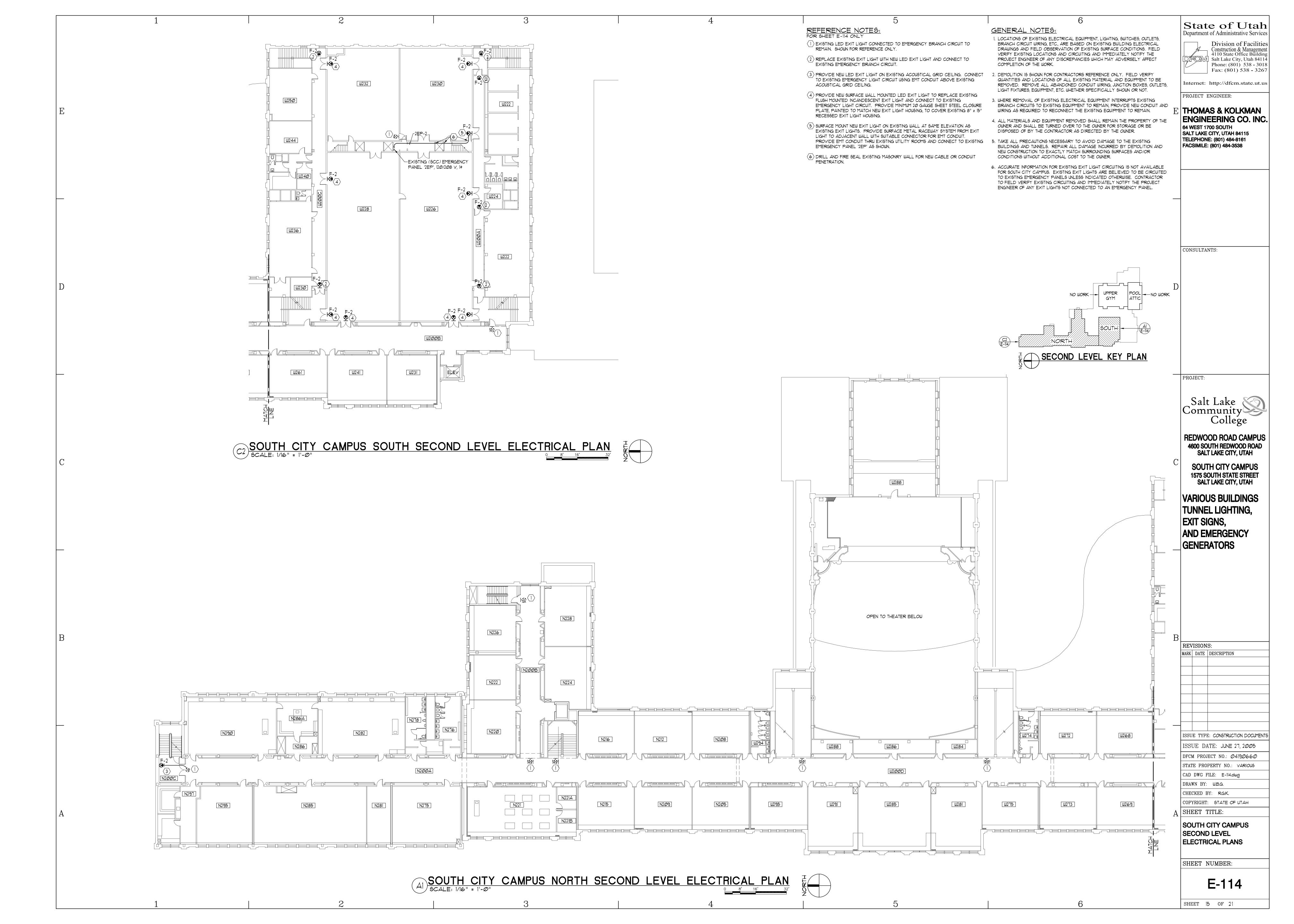


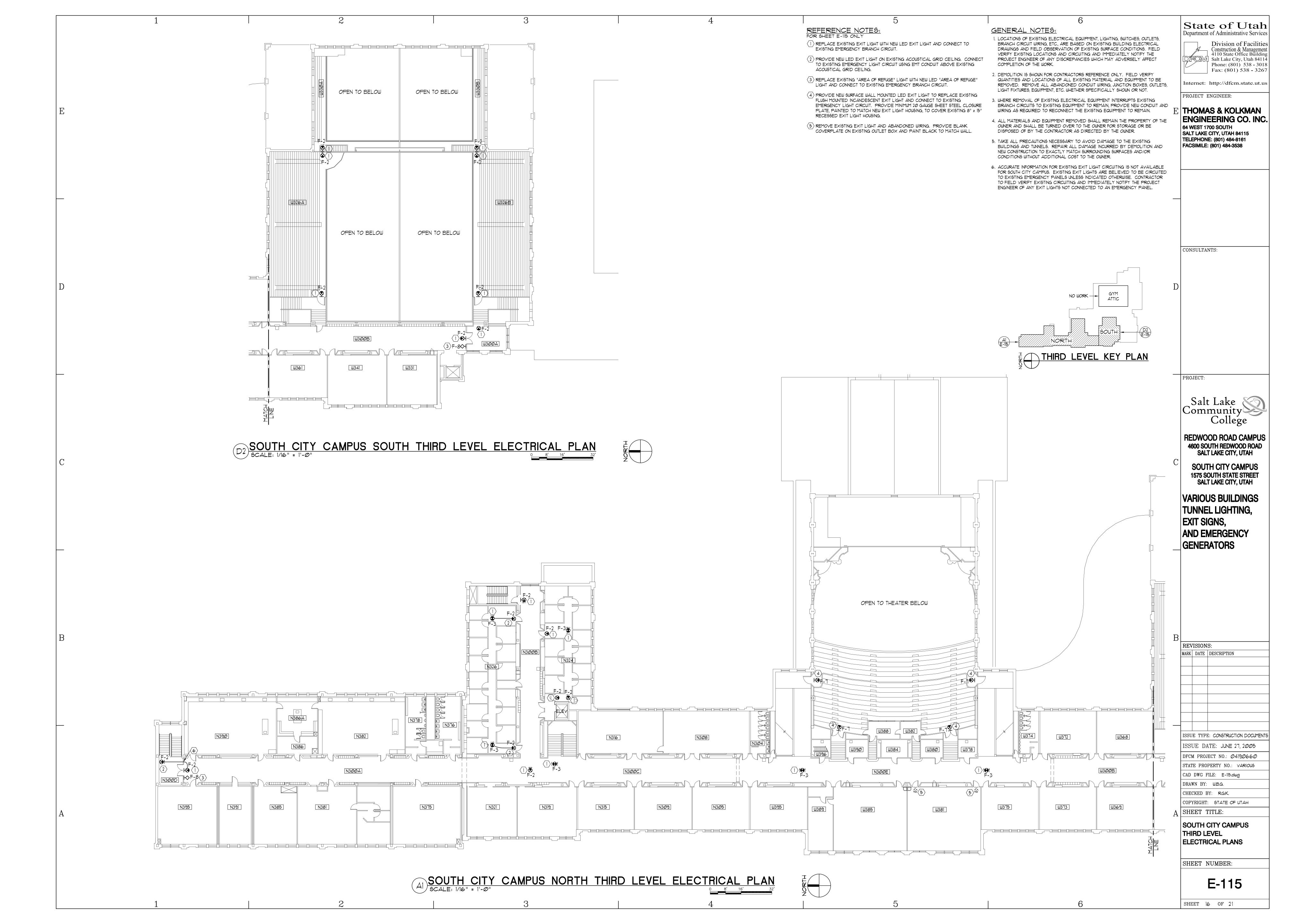


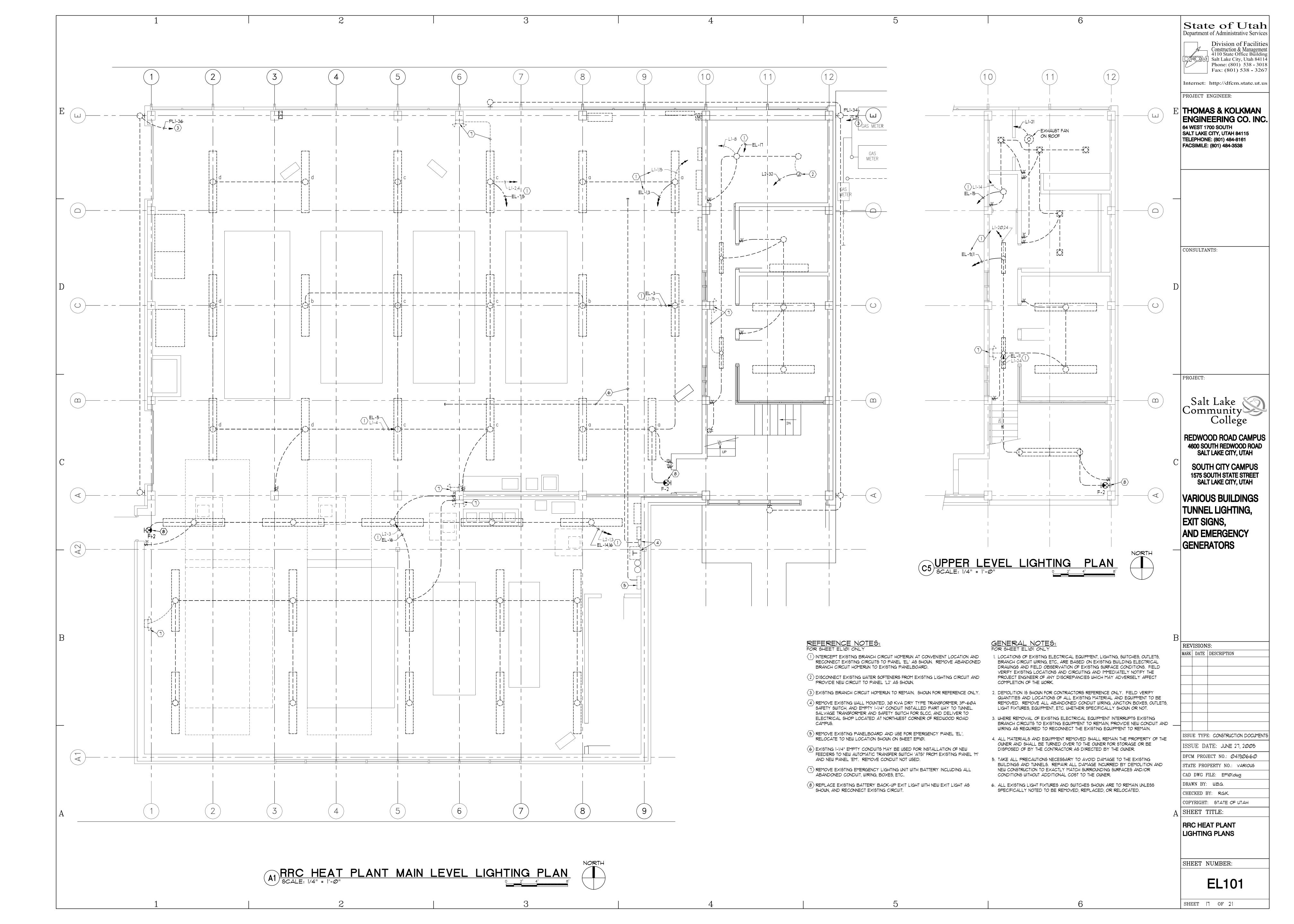


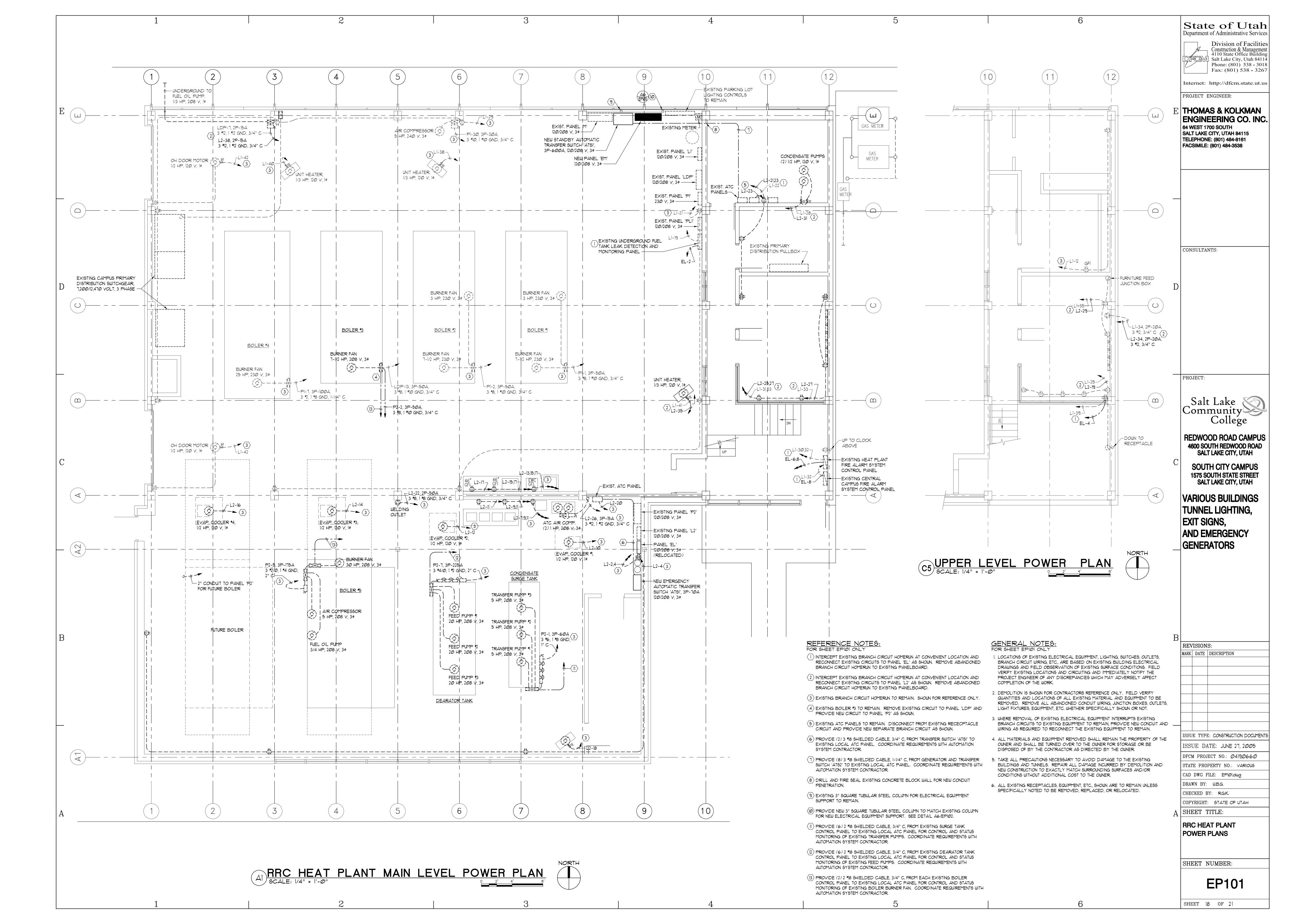


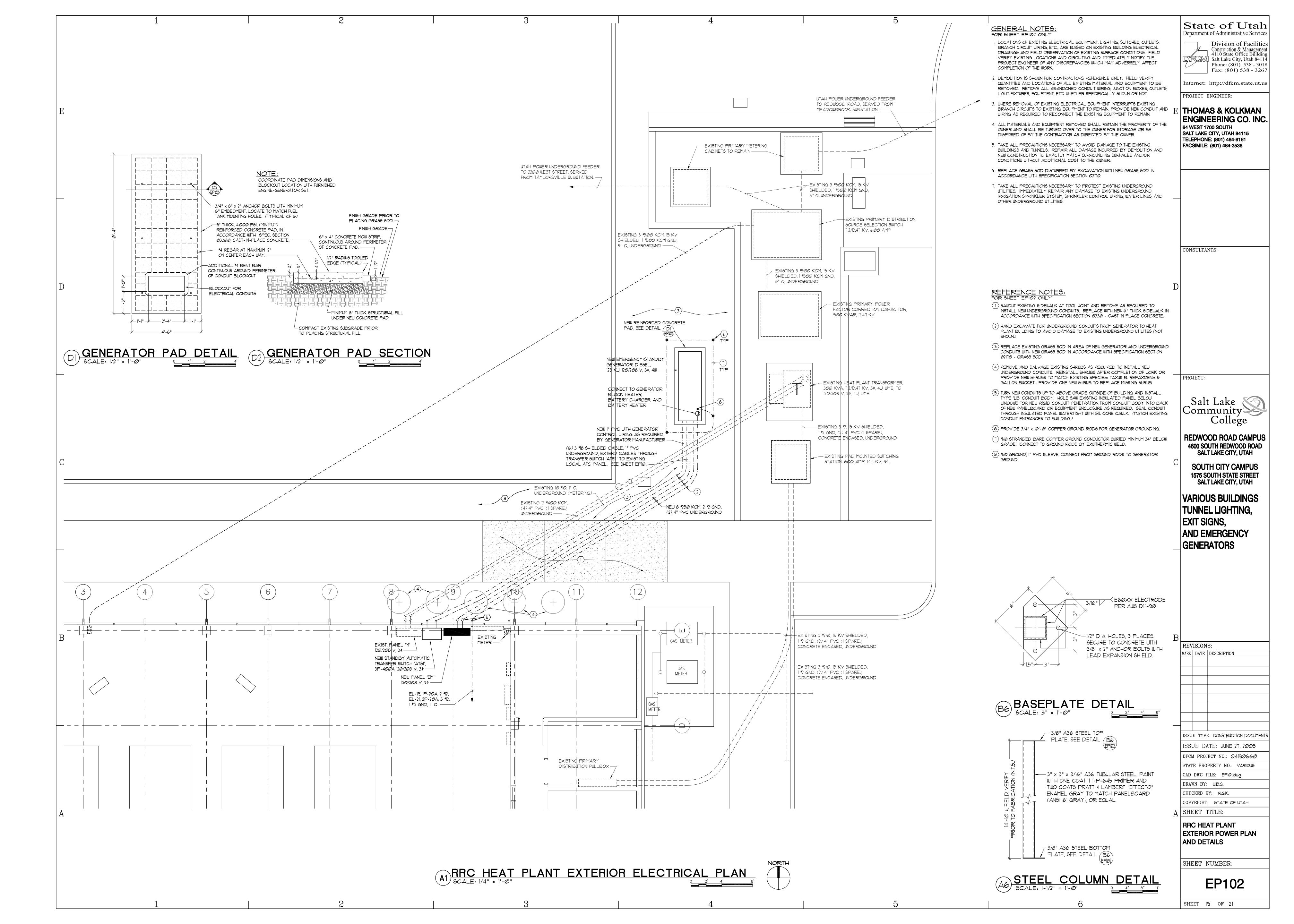


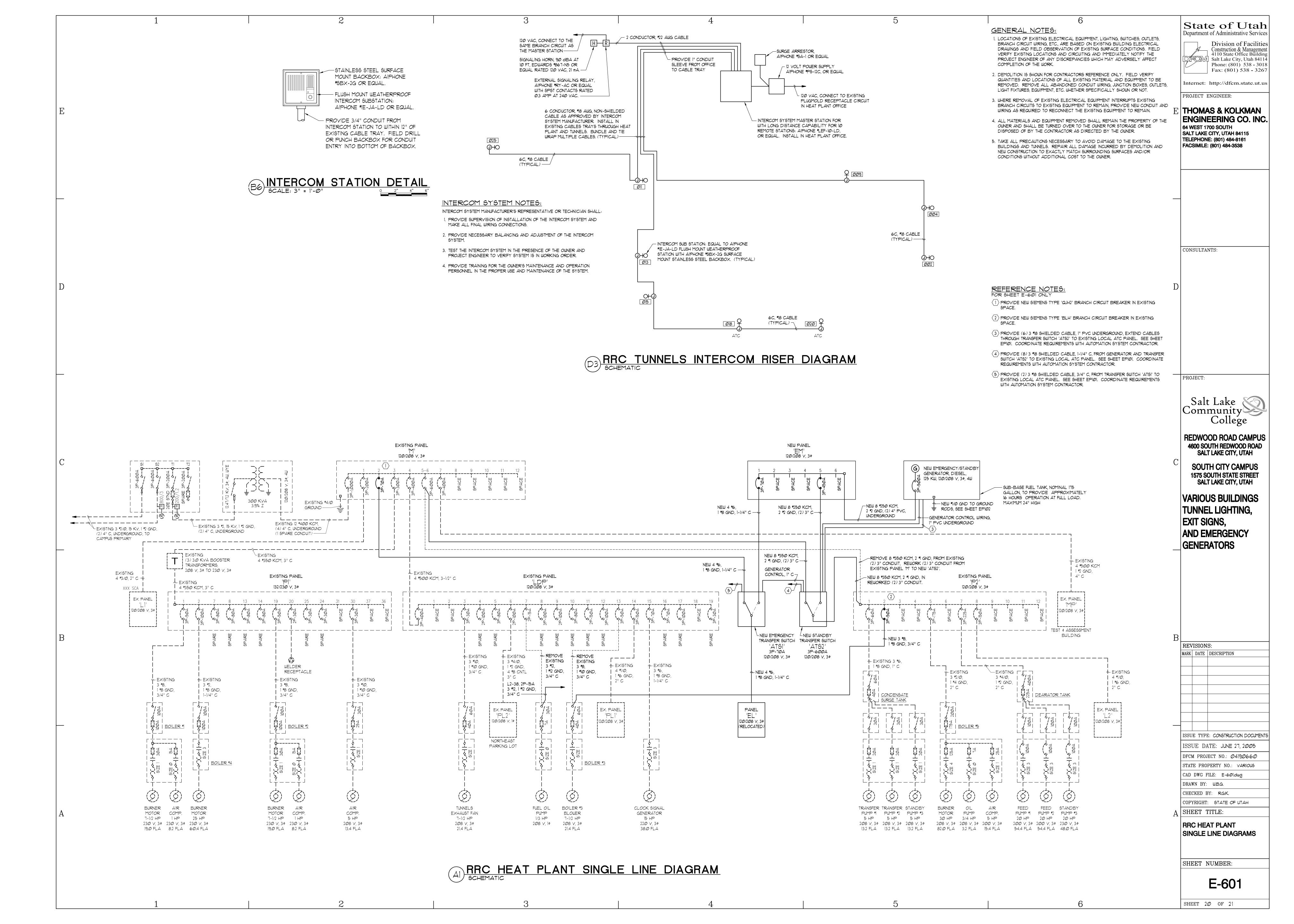












1	2	3	4	5	6	State of Utah
3 P(ILE 250 AMP MAIN LUGS	22,000 A. I. C. , FULLY RATED 120/208 VOLT, 3 PHASE, 4 WIRE SURFACE MOUNTED D. NO. PERCENTURAL BRKR CIR	FIXTURE SCHEDULE OL MANUFACTURER CATALOG NUMBER DESCRIPTION	LAMP SYI	SYMBOL LIST MBOL DESCRIPTION	Department of Administrative Services Division of Facilities Construction & Management 4110 State Office Building
1 1 20 3 1 1 5 1	DESCRIPTION NO. NO. CIRCUIT PHASE LOAD - VA CIRCUIT NO PHASE A PHASE B PHASE C LOAD RE LTS, BOILER ROOM, NE * SPARE SIMPLEX MASTER CLOCK REC, CENTER BOILER ROOM 4 720 720	UF SUR PLIUN	CRESCENT DAY-BRITE GUTH METALUX WILLIAMS SLT-232-7-L2Y/SLTBRKT1 DWAE-232-277-1/2-EB10I/TBK GASKETED HIGH IMPACT ACRYLIC LENS, 1/2" CON EXTERNAL THREADED STUD FOR STAINLESS STEEL BRACKET, AND 277 VOLT <10% THD ELECTRONIC E	IN FLUORESCENT 2F32T8/TL835 ER HOUSING, NDUIT HUB, MOUNTING	O NEW CEILING MOUNTED FIXTURE O NEW WALL MOUNTED FIXTURE NEW RECESSED FIXTURE	State Office Building Salt Lake City, Utah 84114 Phone: (801) 538 - 3018 Fax: (801) 538 - 3267 Internet: http://dfcm.state.ut.us
E	SPARE 0 SPARE 360 360 2 SPARE 0 1,440 1,440 8 LTS, BDILER RM, NW * 1,620 1,620 9 DIL TANK LEAK DETECTION* 0 1,620 1	SPARE	LIGHTGUARD LIGHTGUIER LD-A-1-G-W LITHONIA LE-S-W-1-G-120/277 MCPHILBEN PRESCOLITE SURE-LITES CX-6-1-G-W UNIVERSAL MOUNTED, SINGLE FACE, LIGHT EMITT (LED) EXIT LIGHT WITH DIE CAST ALUMINUM HOLL FINISH, GREEN LETTERS ON STENCIL FACE, UNIV KNOCKOUT CHEVRON ARROWS AND 120/277 DUAL VOUR PRESCOLITE	JSING, WHITE FIXTURE VERSAL DITAGE INPUT	NEW FLUORESCENT FIXTURE NEW EXIT LIGHT WITH ARROW INDICATING DIRECTION OF EXIT NEW EMERGENCY LIGHTING BATTERY UNIT INDICATING LAMP HEADS	PROJECT ENGINEER: E THOMAS & KOLKMAN
21 23 25 27 29 1 29 1 29 1 20 20 20 20 20 20 20	REC, EAST CNTR BUILER RM 4 720 720 LTS, DUTSIDE 4 860 860 REC, RM 201 SUUTH WALL + 0 0 LTS, DUTSIDE 2 430 430 REC, NORTH BUILER ROUM 4 720 720	DATA BASE 1, 2, REC 105 + 22 LTS, ENTRY * 24 SPARE 26 CUNDENSATE PUMPS + 28 FIRE ALARM PANEL * 30	LIGHTGUARD LIGHTOLIER LITHONIA LE-S-W-2-G-120/277 MCPHILBEN PRESCOLITE DMX2GAW SURE-LITES CX-6-2-G-W SAME AS F-2 EXCEPT DOUBLE FACED LITHONIA SERVICE OF THE SAME AS F-2 EXCEPT DOUBLE FACED LITHONIA SAME AS F-2 EXCEPT DOUBLE FACED	FURNISHED W/ FIXTURE	EXISTING CEILING MOUNTED FIXTURE EXISTING WALL MOUNTED FIXTURE EXISTING RECESSED FIXTURE EXISTING FLUORESCENT FIXTURE	ENGINEERING CO. INC. 64 WEST 1700 SOUTH SALT LAKE CITY, UTAH 84115 TELEPHONE: (801) 484-8161 FACSIMILE: (801) 484-3538
	REC, RM 104 SDUTH WALL + 0 REC, PLUGMDLD RM 104 + 0 REC, PLUGMDLD RM 201 + 0 SPARE 865 REC, JC CDMPUTER RM 201* 865 UNIT HTR SD. CNTR EAST + 1,175	FIRE ALARM PANEL * 1 20 32 THRU-WALL AC UNIT + 2 20 34 36 UNIT HTR, NORTH EAST 1 20 38 UNIT HTR, NORTH WEST 1 20 40 DVERHEAD DOOR OPENERS 1 20 42	LIGHTGUARD LIGHTGUIER LIGHTGLIER LD-N-1-G-W-SD LITHONIA LE-S-W-1-G-120/277-ELN-SD MCPHILBEN PRESCULITE DMX1GEW SURE-LITES CX 0 E d W UNIVERSAL MOUNTED, SINGLE FACE, LIGHT EMITT (LED) EXIT LIGHT WITH CAST ALUMINUM HOUSING FINISH, GREEN LETTERS ON STENCIL FACE, NICK BATTERY PACK WITH CHARGER & TEST SWITCH, AN DIAGNOSTIC CIRCUITRY.	FURNISHED W/ FIXTURE KEL CADMIUM ND SELF-	EXISTING EXIT LIGHT EXISTING EXIT LIGHT EXISTING FIXTURE CONNECTED TO EMERGENCY BRANCH CIRCUIT EXISTING EMERGENCY LIGHTING BATTERY UNIT INDICATING LAMP HEADS	
	1,585 3,455 5,735 TOTAL CONNECTED LOAD: 10,775 VA 30 AMPS		LIGHTGUARD LIGHTOLIER LITHONIA MCPHILBEN PRESCOLITE SME AS F-4 EXCEPT DOUBLE FACED SAME AS F-4 EXCEPT DOUBLE FACED LITHONIA MCPHILBEN ER55LD-2-12/27-W-G PRESCOLITE DMX2GEW SURE-LITES CX-7-2-70-G-W-SD	FURNISHED W/ FIXTURE	\$ NEW SINGLE POLE SWITCH \$3 NEW THREE WAY SWITCH \$4 NEW FOUR WAY SWITCH	
SIE!	INNECT EXISTING CIRCUIT TO PANEL 'L2' STING PANEL 'P1' MENS TYPE 'S3', WITH 'BLH' BREAKERS DLE 400 AMP MAIN LUGS	18,000 A. I. C. FULLY RATED 132/230 VOLT, 3 PHASE, 4 WIRE SURFACE MOUNTED	LIGHTGUARD LIGHTOLIER U-25L-H12-W-DT E-25L-H12-W-SD WALL MOUNTED EMERGENCY LIGHTING UNIT WITH T WATT 6 VOLT HALOGEN ENCLOSED AND FULLY ADJU- HEADS, MINIMUM 24 WATT LEAD CALCIUM BATTERY INDICATOR LIGHT, TEST SWITCH, SELF DIAGNOST AND 120/277 VOLT INPUT.	JSTABLE LAMP FIXTURE Y, CHARGER, TIC CIRCUITRY,	\$P NEW SINGLE POLE SWITCH WITH JEWEL PILOT LIGHT \$E EXISTING SINGLE POLE SWITCH \$3E EXISTING THREE WAY SWITCH NEW JUNCTION BOX	GONGLII MANIMO
1 3 50 3 5	BDILER ND. 1 3,610 11,630 8,020 - 3,610 11,630 8,020 - 3,610 11,630 8,020	EC LTS DESCRIPTION P AMPS ND. BOILER ND. 4 3 100 2 - - - 4 - - - 6	LIGHTGUARD LIGHTGLIER LD-A-1-G-B LITHONIA LE-S-B-1-G-120/277 MCPHILBEN PRESCOLITE DMX1GAB SAME AS F-2 EXCEPT WITH BLACK FINISH.	FIXIURE	EXISTING JUNCTION BOX NEW DUPLEX CONVENIENCE OUTLET EXISTING DUPLEX CONVENIENCE OUTLET	CONSULTANTS:
D 7 3 80 9 - - 11 - - 13 3 80 15 - - 17 - -	SPARE	SPARE 3 80 8 10 12 SPARE 3 80 14 16 18	LIGHTOLIER LITHONIA LE-S-W-1-G-120/277-M MCPHILBEN PRESCOLITE DMX1GAW-SW(11) COLUMBIA LE-S-W-1-G-120/277-M ACCESSIBILITY, WITH UNIVERSAL MOUNTING CAND ACCESSIBILITY, WITH UNIVERSAL MOUNTING CAND ACCESSIBILITY, WITH UNIVERSAL MOUNTING CAND FACE, LIGHT EMITTING DIODE (LED) LAMPS, DIE ALUMINUM HOUSING, WHITE FINISH, GREEN LETTE FACE, AND 120/277 DUAL VOLTAGE INPUT. COLUMBIA CSR4-232-U-EB8H-120 4 FT, 2 LAMP ROW, TANDEM, SURFACE MOUNTED I	DPY, SINGLE FIXTURE E CAST ERS ON STENCIL	OUTLET WITH GROUND FAULT CIRCUIT INTERRUPTER EXISTING SPECIAL PURPOSE OUTLET WITH NEMA DESIGNATION NEW INTERCOM STATION NEW POWER PANELBOARD, 120/208 VOLT, 3 PHASE	D
19 3 50 21 23 25 3 30 27	SPARE 0 - 0	WELDING DUTLET BELOW PNL 2 30 20	CRESCENT RNA-232-1-L2Y FLUDRESCENT STRIPLIGHT WITH OPEN REFLECTOR, DAY-BRITE IA-232-120-1/2-EB10 LAMP, <10% THD, 120 VOLT ELECTRONIC BALLAST LATALUX IA-232-120-TEB81 WILLIAMS 80-4-232-UL-EBLH2-120	AND ONE 2 T. :	EXISTING POWER PANELBOARD, 120/208 VOLT, 3 PHASE EXISTING POWER PANELBOARD, 120/208 VOLT, 3 PHASE EXISTING POWER PANELBOARD, 2717/480 VOLT, 3 PHASE NEW 3 PHASE, 4 WIRE HOMERUN INDICATING PANEL AND CIRCUIT NUMBERS	
29 - - 31 1	SPACE 1,780 1,780 1,780 1,780 0	32 34 SPACE 1 36	O CRESCENT SLT-232-1-L2Y/SLTBRKT1 SAME AS F-1 EXCEPT 120 VOLT	STEM FURNISHED W/	NEW BRANCH CIRCUIT CONCEALED IN WALL OR CEILING NEW BRANCH CIRCUIT CONCEALED IN FLOOR OR WALL NEW BRANCH CIRCUIT EXPOSED ON WALL OR CEILING	PROJECT:
41 1	19,520 19,520 17,020 TOTAL CONNECTED LOAD: 56,060 VA 141 AMPS	DEP: EXISTING 4 #350 KCM 3" C	LIGHTOLIER	STEM FURNISHED W/	EXISTING BRANCH CIRCUIT EXISTING MOTOR EXISTING MAGNETIC MOTOR STARTER EXISTING DISCONNECT SWITCH, 'F' INDICATES FUSED	Salt Lake Community
			LITHONIA LE-S-W-2-G-120/277/ELA-SS36 MCPHILBEN PRESCOLITE SURE-LITES DMX2GAW-PMCW36 CX-6-1-G-W/CAX36PKWH PROVIDE EXTRA STOCK OF LAMPS, BALLASTS, LENSES, AND FIXTURES IN ACCORDANCE WITH SPECIFICATION	1 TATORE	\$ET EXISTING MANUAL MOTOR STARTING SWITCH W/ THERMAL OVERLOAD PROTECTION FIXTURE SCHEDULE SYMBOL REFERENCE NOTE SYMBOL	College REDWOOD ROAD CAMPUS
EXISTING PANEL 'LDP' SQUARE D TYPE 'HCN', I-LINE 3 POLE 400 AMP MAIN BREAKER	18,000 A. I. C. FULLY RATED 120/208 VOLT, 3 PHASE, 4 WIRE SURFACE MOUNTED				ROOM NUMBER DETAIL NUMBER OR SECTION LETTER SHEET ON WHICH DETAIL OR SECTION IS SHOWN INDICATES ITEM IN THE ATHER PROCE (NEMA 3R MINIMUM) ENCLOSURE	C SOUTH CITY CAMPUS 1575 SOUTH STATE STREET
CIR BRKR NO. P AMPS DESCRIPTION NO. NO. CIRCUIT P AMPS P AMPS P AMPS P	0 SPACE (6") 3 2 0 2,565	EXISTING PANEL 'P2' SIEMENS TYPE 'S4' 3 PDLE 600 AMP MAIN LUGS	22,000 A. I.C. FULLY RATED 120/208 VOLT, 3 PHASE, 4 WIRE SURFACE MOUNTED		WP INDICATES ITEM IN WEATHERPROOF (NEMA 3R MINIMUM) ENCLOSURE	SALT LAKE CITY, UTAH VARIOUS BUILDINGS
- - - - 2,565 - - - - 2,565 5 3 80 SPARE - - - - - - - - - - - - - -	2, 565 SPARE (REMOVED MAINT. 2 100 4 2, 565 SHOP PANEL 'B') 6, 205 6, 205 PANEL 'PL2' 3 100 6 6, 205 6, 205 (NE PARKING LOT)	CIR BRKR NO. DESCRIPTION NO. NO. CIRCUIT LTS REC DESCRIPTION PH 1 3 60 SURGE TANK TRANSFER PUMPS 3, 165 3, 165 - - - 3, 165 3, 165	PHASE LOAD - VA CIRCUIT ASE A NO. PHASE B PHASE C CIRCUIT REC LTS NO. PESCRIPTION BRKR P AMPS NO. 5,730 2,565 BDILER #3 3 50+ 2 5,730 2,565 (RECONNECT FROM 'LDP') 5,730 2,565			TUNNEL LIGHTING, EXIT SIGNS, AND EMERGENCY
7 2 15 FUEL DIL PUMP * 9 2 100 SPARE (REMDVED MAINT. SHOP PANEL 'A') 11 2 150 SPARE (REMDVED NW PRKG. LOT PANEL 'PL3')	0 SPARE 3 100 8 0 - - 0 - - 0 SPARE (REMOVED PUMP) 3 80 10 0 - - 0 - -	3 3 100 SPACE (BLH) 5 3 175 BDILER ND. 5 12,070 12,070	19, 535 7, 465 PANEL 'L2' 3 150 8 23, 710 11, 640	(RELOCATED) PANEL 'EL' SIEMENS TYPE 'S1', WITH 'BL' BREAKERS 3 POLE 100 AMP MAIN LUGS #	10,000 A. I. C. , FULLY RATED 120/208 VOLT, 3 PHASE, 4 WIRE SURFACE MOUNTED T PHASE LOAD - VA CIRCUIT NO. NO. PHASE A PHASE B PHASE C LOAD REC LTS BRKR CIRCUIT NO. NO. DESCRIPTION BRKR CIRCUIT NO. NO. DESCRIPTION BRKR CIRCUIT NO. NO. PHASE NO.	GENERATORS
13 3 50 BDILER #3 * 15 3 70 CLDCK SIGNAL GENERATOR 4,825 1	0 SPARE (REMOVED PUMP) 3 100 12 0 5,160 10,335 PANEL 'PL1' 3 150 14 14,170 9,345	- -	11, 520 SPACE (QJH2) 3 250 8 1 1 1	BRKR DESCRIPTION NO. LTS REC CIRCUITATION 20 LTS, BOILER ROOM, NE * 6 1,01 20 LTS, BOILER RM, NW * 2 40 20 LTS, BOILER RM, NW * 5 1,00 20+ LTS, BOILER RM, MIDDLE * 6 1,20	T PHASE LOAD - VA CIRCUIT NO. NO. PHASE A PHASE B PHASE C LOAD REC LTS 0 1,210 200 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
4,825 17 3 100 SPARE (REMOVED PUMP)	14,135 9,310	 11 3 400 SPACE (JD6 SINGLE BRANCH) 13 3 400 SPACE (JD6 SINGLE BRANCH)	0 0 11 13 15 17 17 17 17 17 18 19 19 19 19 19 19 19	LTS, RM 201 * 4 1,00 LTS, ENTRY * 2 20 SPARE LTS, RESTROOM * 6 85 LTS, RM 105 * 7 1,30 20+ GENERATOR BATTERY HEATER 1,00	0 1,000 SPARE 10 5 205 SPARE 12 575 575 5 NORTH BOILER RM LIGHTS * 14 0 2,000 1,150 10 SOUTH BOILER RM LIGHTS * 16 0 1,300 SPARE 1 20+ 18 0 1,000 SPACE 1 20+ 18	D
TOTAL CONNECTED LOAD: CALCULATED FEEDER DEMAND, NEC 220: 11		TOTAL CONNECTED LOAD: 1 CALCULATED FEEDER DEMAND, NEC 220: 1	21 2 36, 785 40, 960 40, 260 18, 005 VA 328 AMPS FEEDER: NEW 8 #350 KCM, 2 #1 GND 27 1	20+ GENERATOR BLOCK HEATER 1,00 1,00 SPACE SPACE SPACE	0 1,000 1 22 0 1,000 24 0 26 0 26 0 SPACE 1 30	REVISIONS: MARK DATE DESCRIPTION
* RECONNECT EXISTING CIRCUIT TO PANEL 'P2'. EXISTING PANEL 'M'	30,000 A. I.C., FULLY RATED	+ PROVIDE NEW SIEMENS TYPE 'BLH' BRANCH CIRCUIT BRE		TOTAL CONNECTED LOAD: CALCULATED FEEDER DEMAND, NEC 220:	15, 238 VA 42 AMPS	
SIEMENS TYPE 'S5', 50" MOUNTING SPACE, PO #850151 3 POLE 1000 AMP MAIN BREAKER - TYPE SND69100ANT CIR BRKR DESCRIPTION NO. NO. CIRCUIT	120/208 VOLT, 3 PHASE, 4 WIRE SURFACE MOUNTED	SIEMENS TYPE 'S1', WITH 'BL' BREAKERS 3 POLE 250 AMP MAIN LUGS CIR BRKR DESCRIPTION NO. NO. CIRCUIT	120/208 VOLT, 3 PHASE, 4 WIRE SURFACE MOUNTED * PHASE LOAD - VA ASE A PHASE B PHASE C LOAD REC LTS DESCRIPTION P AMPS NO.	PROVIDE NEW SIEMENS TYPE 'BL' BRANCH CIRCUIT EXISTING CIRCUIT RECONNECTED FROM PANEL 'L1'		
(QJ2H) 3,455 5,735 3 3 300 PANEL 'P1' 19,520 5 (JXD2) 19,520 17,020	8, 355	3 SOUTH BOILER RM LIGHTS * 5 SPARE 7 ATC COMP. AIR DRYER 1 200 9 REC, CHEM TREATMENT AREA 1 180 11 REC, CHEM TREATMENT AREA 1 180	720 720 4 REC, SD. & WEST BOILER RM 4 4 0 SPARE 6 200 SPARE 8 1,355 1,175 EAST EVAP COOLER 10 1,355 1,175 EAST MIDDLE EVAP COOLER 12 1,675 1,175 1,175 1,175	70 EMERGENCY PANEL 'EL' 4,18	T PHASE LOAD - VA CIRCUIT NO. NO. PHASE A PHASE B PHASE C LOAD REC LTS 5 4,185 SPACE SURFACE MOUNTED 10,000 A. I. C., FULLY RATED 120/208 VOLT, 3 PHASE, 4 WIRE SURFACE MOUNTED BRKR CIR P AMPS NO. 5 9,185 SPACE 3 100 2	ISSUE TYPE: CONSTRUCTION DOCUMENTS ISSUE DATE: JUNE 27, 2005 DFCM PROJECT NO.: 04190660
5 3 600 PANEL ' P2' 36, 785 3 - - (LXD6) 40, 960 - - 40, 260 7 3 400 TEST & ASSESSMENT BLDG 31, 350 - - (ESTIMATED LDAD) 31, 350 - - - 33, 750	40, 960	13 ELECTRIC WATER COOLER 1 500 15 REC, SINK COUNTER 1 180 17 1 20 REC, SINK COUNTER 1 180 19 1 20+ REC, RM 201 SOUTH WALL - 5 900 21 REC RM 105 - 4 720 23 DATA BASE 1,2 - 600	1,333	- VIA XFR SWITCH 'ATS1' 4,90 - 3,70 100 SPACE	0 4,900	STATE PROPERTY NO.: VARIOUS CAD DWG FILE: E-602.dwg DRAWN BY: WBG.
A SPACE 11 3 SPACE	0 SPACE 3 10 0 - - - 0 - - - 0 SPACE 3 12 0 - - -	25 REC, RM 104 SOUTH WALL - 2 360 27 REC, PLUGMOLD RM 104 - 6 1,080 29 REC, PLUGMOLD RM 201 - 6 1,080 31 CONDENSATE PUMPS - 1,680 33 SPARE	1,355 995 ATC AIR COMPRESSOR 3 15 26 2,075 995 28 2,180 500 RM 105 WATER SOFTENER - 1 20+ 32 1,000 1,000 THRU-WALL AC UNIT - 2 20+ 34	400 PANEL 'P2' 36, 78 - VIA XFR SWITCH 'ATS2' 40, 96 40, 26 TOTAL CONNECTED LOAD:	5 36,785 SPACE 3 225 6 0 40,960 - - - - 0 40,260 - - - - - 40,970 45,860 43,965 130,795 VA 363 AMPS FEEDER: 8 #250 KCM, 2 #2 GND, (2) 4" C	CHECKED BY: RGK. COPYRIGHT: STATE OF UTAH A SHEET TITLE: SYMBOL LIST
TOTAL CONNECTED LOAD: 39 CALCULATED FEEDER DEMAND, NEC 220: 42	0 - - - - - -		1,865 1,000 36 415 FUEL DIL PUMP # 2 15+ 38 415 40 SPACE 1 42 7,465 11,640 10,940	CALCULATED FEEDER DEMAND, NEC 220:	143,709 VA 399 AMPS	AND SCHEDULES
+ PROVIDE NEW SIEMENS TYPE 'QJH2' BRANCH CIRCUIT BRE	AKEK IN EXISTING SPACE,		30,045 VA 83 AMPS FEEDER: EXISTING 4 #1/0, 1 #6 GND, 2" C 23,116 VA 64 AMPS			SHEET NUMBER: E-602
	2	+ PROVIDE NEW SIEMENS TYPE 'BL' BRANCH CIRCUIT BREA	KER. REMOVE (4) 1P-30A AND (1) 3P-15A SPARE BREAKERS AND SALVAGE FOR SLCC. $ 4 $	5	6	SHEET 21 OF 21